MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

OCTOBER, 1933

J. A. BROWN, DIRECTOR

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OCTOBER 1933

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm+...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.5	60.9	61.3	61.2	27.5	19.8	25.3	26.8	22.6	24.9
2	1.0	59.9	0.3	0.4	27.5	20.3	25.3	26.9	22.7	24.9
3	0.4	9.9	0.7	0.3	26.9	20.1	25.6	25.8	22.6	24.6
4	1.5	61.1	2.4	1.6	27.4	20.1	24.7	23.7	21.9	23.4
5	3.9	2.9	3.1	3.3	27.3	19.8	25.9	26.2	23.1	25.1
6	63.3	62.0	62.5	62.6	27.5	19.9	25.2	25.7	23.1	24.6
7	2.0	59.2	0.7	0.6	27.9	19.8	24.8	26.9	21.7	24.5
8	1.0	60.6	1.8	1.1	27.6	20.1	24.4	27.0	22.8	24.7
9	1.8	1.0	1.1	1.3	27.3	19.8	24.8	26.8	23.1	24.9
10	1.6	1.0	1.2	1.3	28.3	19.6	24.9	27.8	21.7	24.8
11	60.9	59.5	60.1	60.2	27.9	19.7	24.8	27.2	23.1	25.0
12	0.4	9.5	0.8	0.2	27.7	20.4	24.2	27.3	22.1	24.5
13	1.2	60.2	0.2	0.5	27.8	20.2	24.8	27.3	22.6	24.9
14	0.9	0.0	0.8	0.6	26.6	20.4	23.6	25.2	22.3	23.7
15	1.4	59.9	59.8	0.4	26.7	20.0	23.8	25.9	22.6	24.1
16	59.5	58.1	59.8	59.1	26.3	20.2	24.2	23.3	21.7	23.2
17	9.7	9.3	60.8	9.9	26.2	19.8	23.6	25.5	20.9	23.3
18	62.9	62.7	3.6	63.1	25.4	19.2	22.6	24.9	20.9	22.8
19	4.3	3.2	3.7	3.7	25.7	19.4	23.0	25.2	20.4	22.9
20	3.9	2.5	2.1	2.8	25.4	18.7	23.1	24.7	20.2	22.6
21	61.1	60.0	60.3	60.5	26.1	18.7	23.4	25.4	22.2	23.6
22	0.3	59.2	59.3	59.6	25.7	19.1	23.8	24.8	21.0	23.2
23	59.6	9.5	61.0	60.0	23.3	17.6	19.0	22.3	19.8	20.4
24	63.1	62.9	63.9	3.3	22.7	16.9	17.0	22.3	18.3	19.2
25	5.1	64.6	5.6	5.1	23.1	16.4	20.2	23.7	18.1	20.3
26	65.5	64.6	64.9	5.0	23.6	16.7	21.9	23.1	18.7	21.2
27	5.3	4.1	5.1	4.8	24.4	20.2	21.9	23.1	20.9	22.0
28	6.6	6.1	6.6	6.4	25.0	18.4	23.8	23 9	21.9	23.2
29	7.1	5.8	5.6	6.2	25.4	20.6	23.7	23.8	22.2	22.6
30	4.5	1.7	3 9	3.0	25 2	20.3	24.1	24.1	21.1	23.1
31	2.3	1 3	2.4	2 0	26 7	20.0	24.8	26.1	21.6	24 2
	762.37	761.39	762.07	761.93	26.19	19.42	23.49	25.23	21.54	23.43

Barometer, Range for month 758.1–767.1 m.m.

,, 50-yr. average for month 761.473 m.m.

Thermometer, Range for month 16.4°–28.3° C.

,, 50-yr. average for month 24.48° C.

Rain, Total for month 70.358 m.m.

,, , 50-yr average for month 52.58 m.m

,, , total Sept. 1st to end of month 82.548 m.m.

,, , 50-yr. average, Sept. 1st to end of month 59.95 m.m

OCTOBER 1933
METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	20.9	20.4	19.2	15.3	13.6	14.2	14.4	64	51	70	59	10.5	
2	20.4	19.9	19.2	14.4	12.8	14.2	13.8	60	48	71	60	9.6	
3	19.3	19.7	18.7	12.7	13.1	13.4	13.1	52	53	66	57	9.0	
4	19.9	20.2	18.6	13.9	15.1	13.6	14.2	61	69	69	66	7.5	
5	20.9	21.1	20.3	14.9	14.9	15.5	15.1	60	59	74	64	9.0	
6	21.1	22.1	20.6	15.5	16.9	16.1	16.2	65	69	77	70	8.5	
7	20.6	20.9	18.8	15.0	14.3	14.0	14.3	64	53	72	63	9.0	
8	20.4	21.1	19.8	14.9	14.4	15.0	14.8	66	53	73	64	8.3	
9	18.7	18.2	18.2	12.2	10.7	10.6	11.2	53	41	40	45	8.5	
10	18.6	19.9	18.2	12.0	12.3	3.2	12.5	51	44	69	55	8.5	
11	21.0	22.5	20.8	15.7	16.7	16.6	16.3	67	62	79	69	8.5	
12	18.9	21.6	19.0	12.8	15.0	14.2	14.0	56	55	71	61	8.0	
13	19.8	22.1	21.1	13.8	15.9	17.4	15.4	59	59	86	68	8.6	
14	21.0	21.9	20.3	16.5	17.1	16.1	16.6	76	71	81	76	8.5	
15	20.3	21.3	19.8	15.2	15.4	15.2	15.3	68	61	75	68	9.2	
16	20.4	20.2	19.6	15.0	15.0	15.4	15.1	67	68	80	72	8.5	
17	19.3	19.7	17.4	13.8	13.3	12.4	13.2	63	54	68	62	8.5	
18	19.2	19.5	18.3	14.1	13.3	13.8	13.7	70	57	74	67	8.5	2.54
19	19.1	22.0	17.5	13.8	17.1	12.9	14.6	66	71	72	70	8.5	
20	18.3	18.6	16.7	12.5	12.1	11.9	12.2	60	52	67	60	7.5	
21	19.1	20.1	18.6	13.6	13.8	12.5	13.6	64	57	67	63	10.0	
22	18.5	19.1	16.9	12.1	12.7	11.7	12.2	55	55	64	58	9.9	
23	18.2	18.1	16.5	14.9	12.6	11.9	13.1	91	63	70	75	0.5	59.69
24	16.3	17.9	15.2	13.3	12.4	10.9	12.2	92	62	70	75	6.0	6.477
25	17.1	17.4	15.5	12.4	11.6	11.4	11.8	70	57	75	67	7.0	1.651
26	16.6	17.7	15.8	10.8	11.8	1 .5	11.4	55	57	72	61	10.0	
27	18.2	18.1	17.7	13.1	12.2	12.9	12.7	67	58	71	65	9.5	
28	18.8	20.5	20.2	12.8	15.4	16.3	14.8	59	70	83	71	9.5	
29	19.6	21.6	21.3	14.1	17.4	18.2	16.6	64	79	91	78	9.5	
30	19 5	21.6	18.8	13.7	17 3	14 5	15 2	61	78	77	72	9.5	
31	20.9	22 6	19 9	15.6	17.6	16.0	16.4	68	70	83	74	9.0	
	19.37	20.24	18.65	13.88	14.31	14.01	14.06	64.3	59.9	72.8	65.6	8.50	2.269

eight of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
ry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m
im of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
ime of readings minus 2 hours equals G. C. T.
-year averages are for period, 1875-1924

OCTOBER 1933

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	1ci	0	0	0.3	3sw	4sw	1w	180.7	mod.	
2	2cu	0	6stcu	2.6	1sw	2w	2w	96.6	„	
3	1cu	8st	4stcu	4.3	2w	4sw	1w	273.5	„	
4	9ni	2cu	5ci	5.3	4sw	3sw	0	273.0	„	tr. of rn. in the mo
5	7cu	0	0	2.3	2sw	4ne	4sw	231.7	„	
6	1cu	3ci	0	1.3	4ne	5ne	1e	297.1	stormy	
7	0	0	0	0.0	0	1w	0	157.9	mod.	
8	2cu	1cu	0	1.0	1sw	2sw	4sw	393.1	stormy	mist in the morn.
9	0	0	0	0.0	0	1w	2sw	209.4	mod.	
10	0	0	0	0.0	1w	2sw	0	308.7	„	
11	0	0	0	0.0	1sw	1sw	2w	203.2	light	
12	1cu	1cu	1ci	1.0	3sw	3sw	1sw	729.5	„	
13	5st	0	0	1.6	1w	1w	2se	158.0	„	fog in the morning
14	9cu	9ni	6cu	8.0	0	2sw	2w	182.0	„	tr. of rn. in the mo
15	5cu	2stcu	10cu	5.6	1sw	1w	0	164.1	„	(dew at nigh
16	4cu	10ni	5cu	6.3	0	2sw	0	147.2	„	
17	9ci	1ci	1cu	3.6	3sw	3sw	0	489.4	„	
18	2cu	7st	1ci	3.3	0	2sw	0	141.5	„	
19	6cu	1cu	0	2.3	1sw	2sw	0	161.5	mod.	
20	1cu	0	0	0.3	1w	1sw	1w	104.0	light	
21	0	3cu	9cu	4.0	1sw	3nw	5nw	546.2	mod.	
22	4cu	1ci	8cu	4.3	0	2sw	1sw	322.2	„	
23	10ni	7ni	7ni	8.0	1w	1w	3w	740.6	stormy	th. st. in the evenng
24	7ni	3stcu	3cu	4.5	0	1w	1w	323.5	mod.	
25	5ni	3cu	1cu	3.0	1w	1sw	1w	234.6	„	
26	1cu	0	0	0.3	0	0	1sw	160.9	„	
27	0	0	0	0.0	0	1sw	0	217.8	light	
28	0	0	0	0.0	1sw	3nw	0	196.3	mod.	
29	4stcu	4ci	1ci	3.0	0	3e	2sw	261.7	„	
30	0	0	0	0.0	0	2sw	0	199.5	light	
31	0	1ci	1ci	0.6	0	1sw	0	182.3	„	
				2.47	1.1	2.1	1.2	267.33		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	1	0	0	0	12	6	0	12
14:30	0	2	1	0	0	18	7	2	1
20:30	0	0	1	1	0	7	9	1	12
Totals	0	3	2	1	0	37	22	3	25

Number of days with rain 4, fog 1, thunderstorm 1, gales 0.

50-yr average number of days with rain during month 3.5